

MD 713 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

W.B. MD 100
ON RAMP

MATCH LINE SHEET TS-3229

PROPOSED GEOMETRICS

W.B. MD 100
OFF RAMP

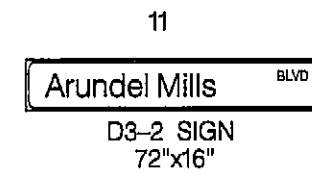
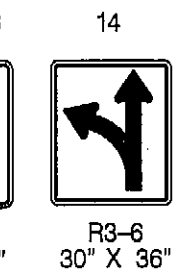
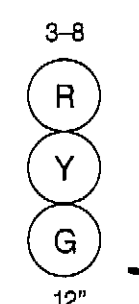
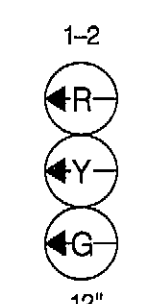
PROPOSED GEOMETRICS

RIGHT-OF-WAY LINE

RIGHT-OF-WAY LINE

RIGHT-OF-WAY LINE

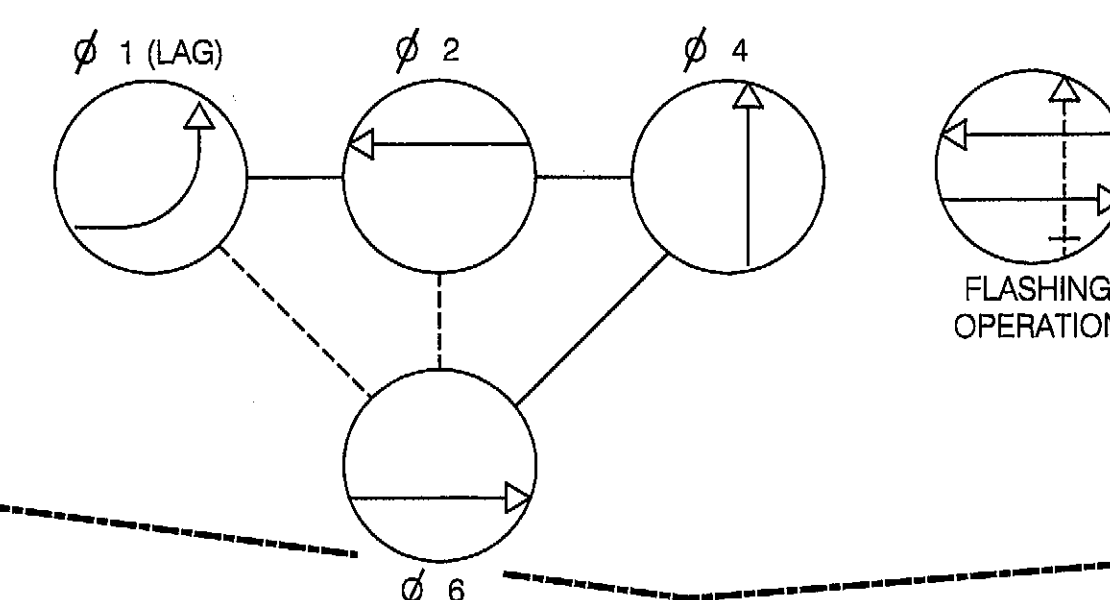
PROPOSED SIGNALS



PROPOSED VIDEO DETECTION CAMERAS

A-E

NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.
3.) PHASE ONE WILL OPERATE AS A LAG LEFT.

MD. 713 (ARUNDEL MILLS BLVD.)

MATCH LINE SHEET 3227 (NOT USED)

GENERAL NOTES

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
2. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
3. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT BEING REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE WORK.
4. DISCONNECT EXISTING INTERCONNECT CABLE AND MICRO-LOOP PROBES FROM THE EXISTING CONTROLLER AND PULL BACK TO THIS POINT. REINSTALL CABLE THROUGH NEW CONDUIT TO THE EXISTING BASE MOUNTED CABINET.

CONSTRUCTION DETAILS

- A. INSTALL 27 FT. MAST ARM POLE WITH A 50 FT. MAST ARM, SIGNAL HEADS, VIDEO DETECTION CAMERAS, AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- B. INSTALL 27 FT. MAST ARM POLE WITH TWIN 50 /60 FT. MAST ARMS, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- C. INSTALL ELECTRICAL HANDHOLE
- D. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED
- E. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
- F. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER
- G. USE EXISTING HANDHOLE
- H. USE EXISTING CONDUIT
- I. REMOVE EXISTING HANDHOLE
- J. CAP AND ABANDON EXISTING CONDUIT
- K. REMOVE EXISTING MAST ARM POLE WITH ALL ASSOCIATED EQUIPMENT
- L. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
- M. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED
- N. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
- O. INSTALL NON-INVASIVE MICRO-LOOP PROBE WITH LEAD-IN CABLE

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

TRAFFIC CONCEPTS, INC.

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APPROVALS	
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS	
2-1-10	RELOCATE MAST ARMS DUE TO NEW GEOMETRICS
T.Z. JKS	SHA NO. BW998M53
5-15-07	REPLACE CONDUIT AND DETECTION DUE TO WIDENING
T.Z. JKS	SHA NO. BW998M82
3-20-06	REPLACE LOOP DETECTION WITH VIDEO CAMERAS
T.H.	SHA NO. A17245165

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 713 (ARUNDEL MILLS BLVD.) AND
MD 100 RAMPS
HANOVER, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20'	DATE 8-25-92	CONTRACT NO. AA682-501-570
DESIGNED BY C. JEDNORSKI	COUNTY ANNE ARUNDEL	
DRAWN BY C. JEDNORSKI	LOGMILE 02071302.90	
CHECKED BY D. DODA	T.I.M.S. NO. K-305	
F.A.P. NO.	TOD NO.	
DRAWING NO. TS 3228 D	SHEET NO. 2 OF 4	